

APPENDIX A

REFERENCES

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GOVERNMENT PUBLICATIONS

AMERICANS WITH DISABILITIES ACT (ADA)

Accessibility Guidelines for Buildings and Facilities

Available from US Architectural and Transportation Barriers Compliance Board,
1111 18th Street, N.W., Suite 501, Washington, DC 20036-
3894, (202) 653-7834 v/TDD or (202) 653-7863 FAX

ARMY TECHNICAL INSTRUCTIONS (TI)

Internet: <http://www.hnd.usace.army.mil/techinfo/>

TI 800-01	Design Criteria
TI 804-01	Area Planning, Site Planning and Design
TI 804-11	POV Site Circulation and Parking
TI 809-01	Load Assumptions for Buildings
TI 809-02	Structural Design Criteria for Buildings
TI 809-04	Seismic Design for Buildings
TI 809-07	Design of Cold-Formed Load Bearing Steel Systems
TI 809-30	Metal Building Systems
TI 810-10	Mechanical Design Heating, Ventilating, and Air Conditioning
UFC 3-410-02A	Design: Heating, Ventilating and Air Conditioning (HVAC) Control System
TI 814-01	Water Supply
TI 814-03	Water Distribution
TI 814-10	Wastewater Collection
TI 822-20	Surface Drainage Quad-Service Antiterrorism/Force Protection Construction Standard

ARMY/AIR FORCE TECHNICAL MANUAL TM

Internet: <http://www.hnd.usace.army.mil/techinfo/engpubs.htm>

TM 5-803-5 Installation Design

TM 5-803-13	Landscape Design and Planting Criteria
TM 5-803-13	Site Planning and Design
TM 5-822-2	General Provisions and Geometric Design for Roads, Streets, Walks and Open Storage Areas
TM 5-822-5	Pavement Design for Roads, Streets, Walks and Open Storage Areas
TM 5-822-7	Standard Practice for Concrete Pavements
TM 5-822-8	Bituminous Pavements - Standard Practice
TM 5-809-12	Concrete Floor Slabs on Grade Subjected to Heavy Loads
TM 5-813-4	Water Supply, Water Storage
TM 5-822-5	Pavement Design for Roads, Streets, Walks, and Open Storage Areas
TM 5-822-7	Standard Practice for Concrete Pavements
TM 5-822-8	Bituminous Pavements Standard Practice
TM 5-822-13	Pavement Design for Roads, Streets, and Open Storage Areas, Elastic Layered Method
TM 5-811-7	Electrical Design, Cathodic Protection

ARMY/COE MILITARY HANDBOOKS

Internet: <http://www.hnd.usace.army.mil/techinfo/engpubs.htm>

MIL-HDBK-1190	Sept. 1987, Facility Planning and Design Guide
UFC 3-600-01	Fire Protection Engineering for Facilities
UFC 4-021-01	Mass Notifications Systems
UFC 4-010-01	DoD Minimum Antiterrorism Standards For Buildings
UFC 4-023-03	Design of Buildings to Resist Progressive Collapse
ARMY REG 190-11	Physical Security of Arms, Ammunition and Explosives
ENGINEER TECHNICAL LETTER (ETL), MANUAL (EM) AND REGULATIONS (ER)	
EM 1110-2-3102	General Principals of Pumping Station Design and Layout
ETL 91-6	Cathodic Protection
ETL 1110-3-466	Selection and Design of Oil/Water Separators at Army Facilities
ETL 1110-3-474	Cathodic Protection
ETL 1110-3-491	Sustainable Design for Military Facilities
ETL 1110-9-10	Cathodic Protection System Using Ceramic Anodes

CODE OF FEDERAL REGULATIONS
Government Printing Office
Washington, DC 20402

49 CFR 192 Transportation of Natural and other Gas by Pipeline:
Minimum Federal Safety Standards

40 CFR 280 Owners and Operators of Underground Storage Tanks

49 CFR 195 Transportation of Hazardous Liquids by Pipeline

10 CFR 430 Energy Conservation Program for Consumer Products

ENVIRONMENTAL PROTECTION AGENCY (EPA)

EPA 340/1-90-018 (1990) Asbestos/NESHAP Regulated Asbestos Containing
Materials Guidance

EPA 340/1-90-019 (1990) Asbestos/NESHAP Adequately Wet Guidance

EPA 560/5-85-024 (1985) Guidance for Controlling Asbestos Containing
Materials in Buildings

FEDERAL STANDARD SPECIFICATIONS (FS)

FED-STD 595 (Rev B) Colors

FS WW-P-541 Plumbing Fixtures

FS WW-P-541/5 Plumbing Fixtures (Sinks, Kitchens, Service, Laundry Trays
- Detail Specification)

Department of the Navy

Standardization Documents Order Desk
700 Robbins Avenue, Bldg. 4D
Philadelphia, PA 19111-5094

OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA)

29 CFR Occupational Safety and Health Standards Part 1910

10 CFR 435B Energy Conservation Performance Standards

29 CFR 1926 Safety and Health Regulations for Construction

40 CFR 61 National Emission Standards for Hazardous Air Pollutants

40 CFR 260 Hazardous Waste Management System General

40 CFR 261 Identification and Listing of Hazardous Waste

SAVANNAH DISTRICT CORPS OF ENGINEERS

Design Manual for Military Construction, Feb 2002, Rev. Sep 2003

STATE REGULATIONS

Manual for Erosion and Sediment Control in Georgia (latest-edition)

UNIFIED FACILITIES CRITERIA

UFC 1-200-01 31 JULY 2002 DESIGN: GENERAL BUILDING REQUIREMENTS

UFC 4-010-01 31 JULY 2002 DoD Minimum Antiterrorism Standards for Buildings.

UFC 3-600-01 Fire Protection Engineering for Facilities
UNIFORM FEDERAL ACCESSIBILITY STANDARD (UFAS)

U.S. Government Printing Office

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

U.S. Government Printing Office (GPO) Style Manual

NON-GOVERNMENT PUBLICATIONS

AIR MOVEMENT AND CONTROL ASSOCIATION
30 W. University Drive
Arlington Heights, IL 60004-1893

AMCA 210 (1985) Laboratory Methods of Testing Fans for Rating

AIR CONDITIONING AND REFRIGERATION INSTITUTE
4301 North Fairfax Drive
Arlington, VA 22203

ARI 310/380 (1993) Packaged Terminal Air-Conditioners and Heat Pumps

ARI 440 (1998) Room Fan-Coil and Unit Ventilator

ARI 445 (1987; R 1993) Room Air-Induction Units

ARI 880 (1998) Air Terminals

AMERICAN ARCHITECTURAL MANUFACTURERS ASSOCIATION (AAMA)
1827 Walden Office Square, Suite 104
Schaumburg, IL 60173-4268

AAMA 101 Voluntary Specifications for Aluminum, Vinyl and Wood
Windows and Glass Doors

AAMA 605 Voluntary Specification Performance Requirements and Test
Procedures for High Performance Organic Coatings on
Aluminum Extrusions and Panels

AAMA 607.1 Voluntary Guide Specifications and Inspection Methods for
Clear Anodic Finishes for Architectural Aluminum

AAMA 1503 Voluntary Test Method for Thermal Transmittance and
Condensation Resistance of Windows, Doors, and Glazed Wall
Sections

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO)
444 N. Capital St., NW, Suite 249
Washington, DC 20001
Ph: 800-231-3475
Fax: 800-525-5562
Internet: www.aashto.org

AMERICAN BEARING MANUFACTURERS ASSOCIATION
1200 19th Street, NW
Washington, DC 20036-4303

AFBMA Std 9 (1990) Load Ratings and Fatigue Life for Ball Bearings

AFBMA Std 11 (1990) Load Ratings and Fatigue Life for Roller Bearings

AMERICAN BOILER MANUFACTURERS ASSOCIATION (ABMA)
950 N. Glebe Rd, Suite 160
Arlington, VA 22203-1824

ABMA ISEI Industry Standards and Engineering Information

AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC)

Timber Construction Manual

AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)

American Institute of Steel Construction (AISC), Manual of Steel Construction

AMERICAN WATER WORKS ASSOCIATION (AWWA)

AWWA C500 (1986) Gate Valves for Water and Sewerage Systems (DOD adopted)

AWWA C502 (1985) Dry-Barrel Fire Hydrants

AMERICAN WELDING SOCIETY (AWS)

ACI INTERNATIONAL (ACI)
P.O. Box 9094 Farmington Hills, MI 48333-9094
Ph: 248-848-3800
Fax: 248-848-3801
Internet: <http://www.aci-int.org>

ACI 318-02 Building Code Requirements for Reinforced Concrete

ACI 302 Guide for Concrete Floors and Slab Construction

ACI-ASCE 530 Building Code for Masonry

ACI-ASCE 530.1 Masonry Specifications

AMERICAN NATIONAL STANDARDS INSTITUTE
11 West 42 Street
New York, NY 10036

ANSI B16.5 Pipe Flanges and Flanged Fittings

ANSI Z21.10.1 (1993; Z21.10.1a; Z21.10.1b; Z21.10.1c) Gas Water Heaters
Vol. I, Storage Water Heaters with Input Ratings of 75,000
Btu Per Hour or Less

ANSI Z124. (1995) American National Standard for Plastic Lavatories.

ANSI Z124.6 (1997) Plastic Sinks

ANSI Z21.45 (1995) Flexible Connectors of Other Than All-Metal
Construction for Gas Appliances

IEEE C2 (2002) National Electrical Safety Code

ANSI 70 (2005) National Electrical Code

ANSI/TIA/EIA-569-A (1998) Commercial Building Standard for
Telecommunications Pathways and Spaces

AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE)
1801 Alexander Bell Drive
Reston, VA 20190-4400
Ph: 800-548-2723
Fax: 703-295-6333
Internet: www.pubs.asce.org
e-mail: marketing@asce.org

ASCE 7 (1995) Minimum Design Loads for Buildings and Other
Structures

AMERICAN SOCIETY FOR TESTING AND MATERIALS
100 Bar Harbor Drive
West Conshohocken, PA 19428-2959

ASTM E 84 (2000) Surface Burning Characteristics of Building
Materials

ASTM D 2846/D 2846M (1999) Chlorinated Poly(Vinyl Chloride) (CPVC)
Plastic Hot- and Cold-Water Distribution Systems

ASTM D 2513 (1999; Rev. A) Thermoplastic Gas Pressure Pipe, Tubing, and
Fittings

ASTM D 2683 (1998) Socket-Type Polyethylene Fittings for Outside
Diameter-Controlled Polyethylene Pipe and Tubing

ASMT D 3350 (1999) Polyethylene Plastics Pipe and Fittings Materials

ASTM A 53 (1999) Pipe, Steel, Black and Hot-Dipped, Zinc-Coated
Welded and Seamless

ASTM A 106 (1999) Seamless Carbon Steel Pipe for High-Temperature
Service

ASTM B 88 (1999) Seamless Copper Water Tube

ASTM D 5686 (1995) "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-
Resin) Pipe and Pipe Fittings, Adhesive Bonded Joint Type
Epoxy Resin, for Condensate Return Lines

ASTM D 2241	(1996b) Poly(Vinyl Chloride) (PVC) Pressure-Rated-Pipe (SDR Series)
ASTM D 1784	(1999a) Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds
ASTM D 1248	(1998) Polyethylene Plastics Molding and Extrusion Materials
ASTM C 591	(1994) Unfaced Preformed Rigid Cellular Polyisocyanurate Thermal Insulation
ASTM C 518	(1998) Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus
ASTM A 134	(1996) Pipe, Steel, Electric-Fusion (Arc)-Welded (Sizes NPS 16 and Over)
ASTM A 135	(1997c) Electric-Resistance-Welded Steel Pipe
ASTM A 139	(1996e1) Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and over)
ASTM A 36/A 36M	(2000) Carbon Structural Steel
ASTM D 2310	(1997) Machine-Made "Fiberglass" (Glass-Fiber-Reinforced Thermosetting-Resin) Pipe
ASTM D 2996	(1996; Rev. A) Filament-Wound "Fiberglass" (Glass-Fiber-Reinforced Thermosetting Resin) Pipe
ASTM C 136	(1995a) Sieve Analysis of Fine and Coarse Aggregates
ASTM D 422	(1963; R 1990) Particle-Size Analysis of Soils
ASTM D 1556	(1990) Density of Soil in Place by the Sand-Cone Method
ASTM D 1557	(1991) Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft ³ (2,700 kN-m/m ³))
ASTM D 2216	(1992), Laboratory Determination of Water (Moisture) Content of Soil, and Rock
ASTM D 2487	(1990) Classification of Soils for Engineering Purposes
ASTM D 2661	(1991) Acrylonitrile-Butadiene-Styrene (ABS) Plastic Drain, Waste, and Vent Pipe and Fittings
ASTM D 2665	(Rev. B-91) Poly(Vinyl Chloride) (PVC) Plastic Drains, Waste, and Vent Pipe and Fittings
ASTM D 2666	Polybutylene (PB) Plastic Tubing (1989)
ASTM D 4318	(1993) Liquid Limit, Plastic Limit, and Plasticity Index of Soils
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Construction and Materials

ASTM E 779 (E1-87) Standard Test Method for Determining Air Leakage Rate by Fan Pressurization

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR CONDITIONING ENGINEERS
1791 Tully Circle. NE
Atlanta, GA 30329-2305

Standard 62 (1999) Ventilation for Acceptable Indoor Air Quality

Standard 15 (1994) Safety Code for Mechanical Refrigeration

ASHRAE 90.1 (1989; 90.1b; 90.1c; 90.1d; 90.1e; 90.1g; 90.1i 90.11-1995; 90.1m-1995; 90.1n-1997) Energy Efficient Design of New Buildings Except Low-Rise Residential Buildings

ASHRAE Hdbk-IP (1997) Handbook, Fundamentals I-P Edition

AMERICAN SOCIETY OF MECHANICAL ENGINEERS INTERNATIONAL
Three Park Place
New York, NY 10016-5990

ASME B31.8 (1995) Gas Transmission and Distribution Piping Systems

ASME B16.11 (1996) Forged Fittings, Socket-Welding and Threaded

ASME B31.1 (1998; Addenda 1999 and 2000) Power Piping

ASME BPVC SEC VII (1995; Addenda 1995, 1996, and 1997) Boiler and Pressure Vessel Code: Section VII Recommended Guidelines for the Care of Power Boilers

ASME (1996) Pipe Flanges and Flanged Fittings NPS 1/2 Through NPS 24

ARCHITECTURAL WOODWORK INSTITUTE
1952 Isaac Newton Square W.
Reston, VA 20190

AWI Quality Standards (1999) 7th Edition, Version 1.2

ASSOCIATED AIR BALANCE COUNCIL
1518 K Street NW, Suite 708
Washington, DC 20005

AABC MN-1 (1989) National Standards for Testing and Balancing Heating, Ventilating, and Air Conditioning Systems

BRICK INDUSTRY ASSOCIATION
11490 Commerce Park Drive
Reston, Virginia 20191

Technical Notes on Brick Construction

BUILDERS HARDWARE MANUFACTURERS ASSOCIATION (BHMA)

BHMA A156.1 (1997) Butts and Hinges

BHMA A156.10	(1991) Power Operated Pedestrian Doors
BHMA A156.11	(1991) Cabinet Locks
BHMA A156.12	(1992) Interconnected Locks/Latches
BHMA A156.13	(1994) Mortise Locks & Latches
BHMA A156.14	(1997) Sliding and Folding Door Hardware
BHMA A156.15	(1995) Life Safety Closer/Holder Release Devices
BHMA A156.16	(1997) Auxiliary Hardware
BHMA A156.17	(1993) Self Closing Hinges & Pivots
BHMA A156.18	(1993) Materials and Finishes
BHMA A156.19	(1997) Power Assist and Low Energy Power Operated Doors
BHMA A156.2	(1996) Bored and Preassembled Locks and Latches
BHMA A156.20	(1996) Strap and Tee Hinges and Hasps
BHMA A156.21	(1996) Thresholds
BHMA A156.22	(1996) Door Gasketing Systems
BHMA A156.23	(1992) Electromagnetic Locks
BHMA A156.24	(1992) Delayed Egress Locks
BHMA A156.3	(1994) Exit Devices
BHMA A156.4	(1992) Door Controls - Closers
BHMA A156.5	(1992) Auxiliary Locks & Associated Products
BHMA A156.6	(1994) Architectural Door Trim
BHMA A156.7	(1997) Template Hinge Dimensions
BHMA A156.8	(1994) Door Controls - Overhead Stops and Holders
BHMA A156.9	(1994) Cabinet Hardware

BHMA Closer Directory (Effective thru Jul (1999) Directory of Certified Door Closers

BHMA Exit Devices Directory (Effective thru Aug 1998) Directory of Certified Exit Devices

BHMA L & R Directory (Effective thru Jun 1999) Directory of Certified Locks & Latches

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COUNCIL OF AMERICAN BUILDING OFFICIALS

5203 Leesburg Pike, Suite 708
Falls Church, VA 22041

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ELECTRONIC INDUSTRIES ASSOCIATION (EIA)
2500 Wilson Blvd
Arlington, VA 22201-3834

EIA/TIA 568-B (2001) Commercial Building Telecommunications Cabling
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EIA/TIA 569-A (2001, amendment 5) Commercial Building Standard for
Telecommunications Pathways and Spaces

FACTORY MUTUAL SYSTEM (FM) STANDARDS

GA DOT Standard Specifications

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
120 Wall Street, 17th Floor
New York, NY 10005-4001

IESNA RP-8 (2000) Roadway Lighting

IESNA LHBK (2000) Lighting Handbook, Reference and Application

IESNA RP-1-02 (2204) Office Lighting per par. 9.2.11

INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS INC. (IEEE)
445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331

Standard for Use of the International System of Units (SI):
the Modern Metric System

IEEE STD 144 IEEE Recommended Practice for Grounding of Industrial and
Commercial Power Systems

International Approval Services (IAS)
8501 E. Pleasant Valley Rd
Cleveland, OH 44131

IAS Directory (1999) IAS Directory of AGA & CGA Certified Appliances and
Accessories

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS
20001 Walnut Drive South
Walnut, CA 91789-2825

IAPMO Z124.1 (1995) Plastic Bathtub Units

IAPMO Z124.3 (1995) Plastic Lavatories

IAPMO Z124.5 (1997) Plastic Toilet (Water Closets) Seats

IAPMO Z124.9 (1994) Plastic Urinal Fixtures

INTERNATIONAL CODE COUNCIL, INC
5203 Leesburg Pike, Suite 708
Falls Church, VA 22041-3401

IBC (2003) International Building Code
IMC (2000) International Mechanical Code
IPC (2000) International Plumbing Code

NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS (NAAMM)

NAAMM-01 (1988) Metal Finishes Manual for Architectural and Metal Products

NATIONAL ASSOCIATION OF CORROSION ENGINEERS INTERNATIONAL
1440 South Creek Drive
Houston, TX 77084-4906

NACE RP0169 (1996) Control of External Corrosion on Underground or Submerged Metallic Piping Systems

NACE RP0185 (1996) Extruded, Polyolefin Resin Coating Systems with Soft Adhesives for Underground or Submerged Pipe

NATIONAL ASSOCIATION OF PLUMBING - HEATING - COOLING CONTRACTORS
180 S. Washington Street
Falls Church, VA 22046

NAPHCC Plumbing Code (1996) National Standard Plumbing Code

NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA)

Specifications for the Design and Construction of Load Bearing Concrete Masonry

Building Code Requirements for Concrete Masonry (ACI-ASCE 530 Building Code for Masonry; ACI-ASCE 530.1 Masonry Specifications)

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
1300 N 17th Street, Suite 1847
Rosslyn, VA 22209

NEMA C12.1 (2001) Code for Electricity Metering

NEMA LD 3 High Pressure Decorative Laminates

NEMA PB 1 (2000) Panelboards

National Electric Safety Code (NESC)

NATIONAL ENVIRONMENTAL BALANCING BUREAU
8575 Grovemont Circle
Gaithersburg, MD 20877-4121

NEBB Procedural Stds (1991) Procedural Standards for Testing Adjusting Balancing of Environmental Systems

NATIONAL FIRE PROTECTION ASSOCIATION
One Batterymarch Park
Quincy, MA 02269-9101

National Fire Codes (NFC) Current as of 2004

NATIONAL FOREST PRODUCTS ASSOCIATION (NFPA)

National Design Specification for Wood Construction

PLUMBING AND DRAINAGE INSTITUTE
45 Bristol Drive, Suite 101
South Easton, MA 02375

PDI G 101 (1996) Testing and Rating Procedure for Grease Interceptors
with Appendix of Sizing and Installation Data

PDI WH201 (1992) Water Hammer Arrestors

PDI WH 201 (1992) Water Hammer Arresters

SHEET METAL AND AIR CONDITIONING CONTRACTOR'S NATIONAL ASSOCIATION
PO Box 221230
Chantilly, VA 20153-1230

SMACNA HVAC Duct Const Stds (1995; Addenda Nov 1997)) HVAC Duct
Construction Standards - Metal and Flexible

SMACNA Arch. Manual (1993; Errata; Addenda Oct 1997) Architectural Sheet
Metal Manual

STEEL DECK INSTITUTE (SDI)

Steel Deck Institute Diaphragm design Manual (Latest Edition)

STEEL DOOR INSTITUTE (SDI)
30200 Detroit Road
Cleveland, OH 44145-1967

ANSI A250.8/SDI 100 Standard Steel Doors and Frames

STEEL JOIST INSTITUTE

Standard Specification for Load Table for Open Web Joists (latest edition)

UNDERWRITERS LABORATORIES STANDARDS (UL)